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PATENT  
Attorney Docket No. 915-007.201



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

**P. PASANEN et al.**

Serial No.: **10/581,509**

Filed: **June 1, 2006**

For: ***Exploiting Selection Diversity in Communications Systems with Non-Orthonormal Matrix and Vector Modulation***

Mail Stop: **AMENDMENT**

Director of the U.S. Patent and Trademark Office

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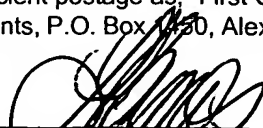
**INFORMATION DISCLOSURE STATEMENT**

Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR §1.56.

While this Information Disclosure Statement (IDS) may be "material" pursuant to 37 CFR §1.56(b), it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

I hereby certify that this correspondence is being deposited with the United States Postal Service on this date, **August 17, 2006**, in an envelope with sufficient postage as, "First Class Mail," addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
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Lissette Ramos

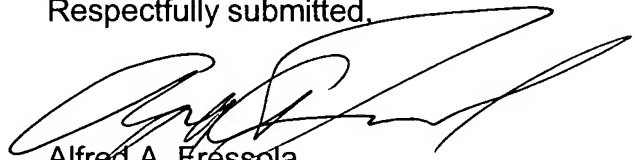
In accordance with 37 CFR §1.97(g), the filing of this IDS shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR §1.56(a) exists.

Enclosed is an International Search Report issued in international patent application PCT/IB03/005587 which was filed on March 12, 2003 and from which the present application is requesting entry into the US national phase.

Also enclosed is a Form PTO-1449 listing the cited references. Copies of the cited articles and non-US references are also enclosed herewith. A copy of the cited US reference is not enclosed pursuant to the USPTO waiver of the requirement to submit copies of cited US references. The relevance of each reference is specifically explained in either the application specification or the International Search Report and the abstract of each reference provides a concise explanation thereof.

This IDS is being submitted within three months of the filing date of the application for entry into the US national phase in this matter; therefore, the undersigned respectfully submits that no fee is due for filing this IDS. The Commissioner is hereby authorized to charge to deposit account 23-0442 any fee deficiency required to submit this IDS.

Respectfully submitted,



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Dated: August 17, 2006

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**FORM PTO-1449**  
**INFORMATION DISCLOSURE STATEMENT**


ATTY DOCKET NO.

915-007.201

SERIAL NO.

10/581,509

APPLICANT: P. PASANEN

FILING DATE:

June 1, 2006

ART UNIT:

To be assigned

**UNITED STATES PATENT DOCUMENTS**

EXAM. INITIAL	DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002/177447	Nov. 28, 2002	Howard et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
WO 03041300	May 15, 2003	PCT			
WO 03081938	Oct. 2, 2003	PCT			

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

	"On the performance of scheduling over space-time architectures;" R. Gozali, et al; 2002 IEEE 56 <sup>th</sup> Vehicular Technology Conference Proceedings; September 24-28, 2002; pages 415-419.
	"The impact of multiuser diversity on space-time block coding;" R. Gozali, et al; IEEE Communications Letters, May 2003; Vol. 7, No. 5, pages 213-215.
	"On transmit diversity and scheduling in wireless packet data;" A. Kogiantis et al; IEEE 2001.
	"Multi-antenna Transceiver Techniques for 3G and Beyond;" A. Hottinen et al; 2003.

Examiner (To be assigned)

Date: